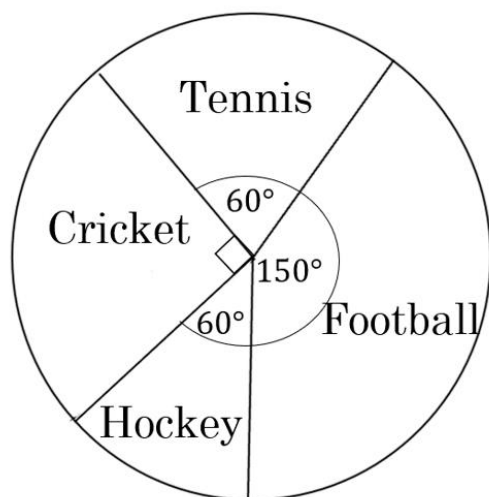# Pie Charts Exam Practice

Q1. A group of students were asked which is their favourite sport.
The results are shown below:

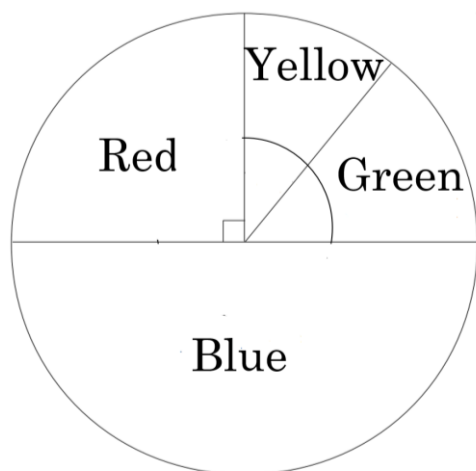a) 30 students chose tennis. Work out how many students were interviewed.

Answer:_____

(2 marks)

b) How many more students choose Cricket than tennis?

Answer:_____

(2 marks)

Q2. A group of 126 pupils were asked which is their favourite colour.
   Half of the students chose blue.

Pie chart with sectors labelled Yellow, Red, Green, Blue.

a) What fraction of the pupils chose yellow? Simplify your answer.

Answer:_____

(2 marks)

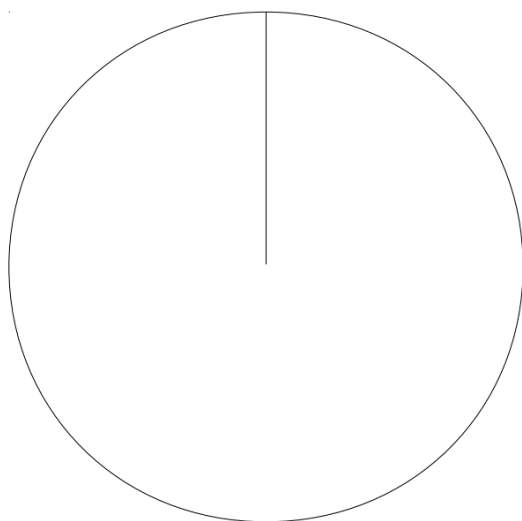b) How many students chose green?

Answer:_____

(2 marks)

c) How many students did not choose the colour red?

Answer:_____

(2 marks)

Q3. Display the following information in an accurate pie chart:

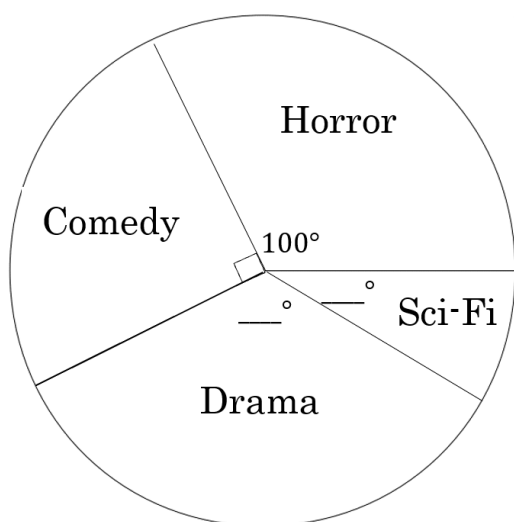| Food	Pizza	Kebab	Burger	Hotdog
No. of people	28	12	60	20

Answer:_____

(4 marks)

Q4. Complete the pie chart and the table below using the information:

Film Type	Comedy	Drama	Horror	Sci-Fi
No. of people			40	12

Answer:_____

(4 marks)

Q5. A pie chart is to be made to display some people's hobbies.

a) Complete the table.

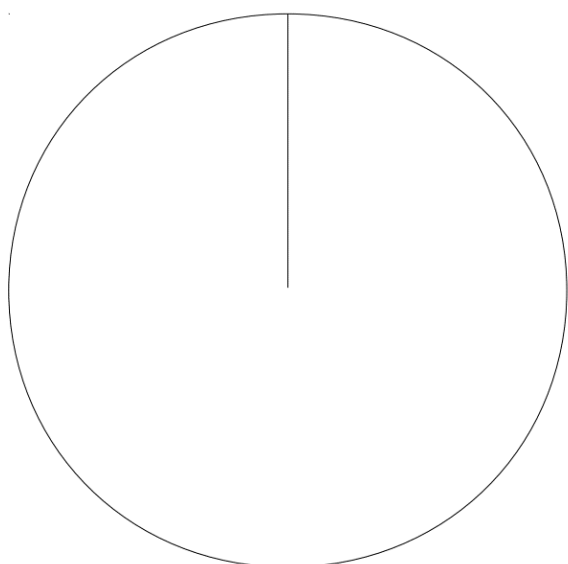| Hobby	Frequency	Degrees
Reading	76	
Fishing		
Sailing	320	80
Cooking	380	95
Programming	248	

Answer:_____

(3 marks)

b) Mike decides to construct a pie chart for the above information where 3 people is represented by 1 degree. Explain why this is not a good idea.
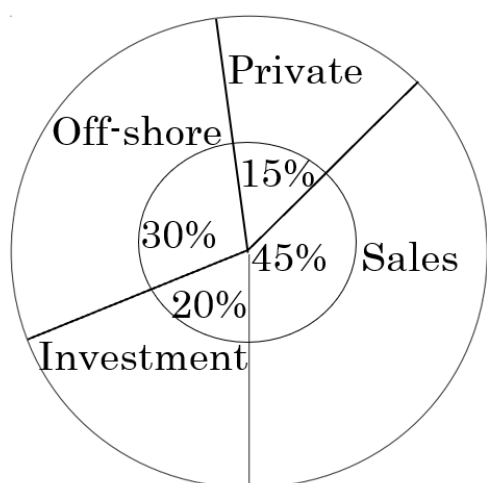
Answer:_____

(1 mark)

Q6. In a sweet jar, the number of red sweets is three times the number of blue sweets. The number of green sweets is half the number of red sweets. Construct an accurate pie chart to display this information.

Answer:_____

(4 marks)

Q7. A company records the amount of money it makes from different parts of the business as a percentage of its total income:

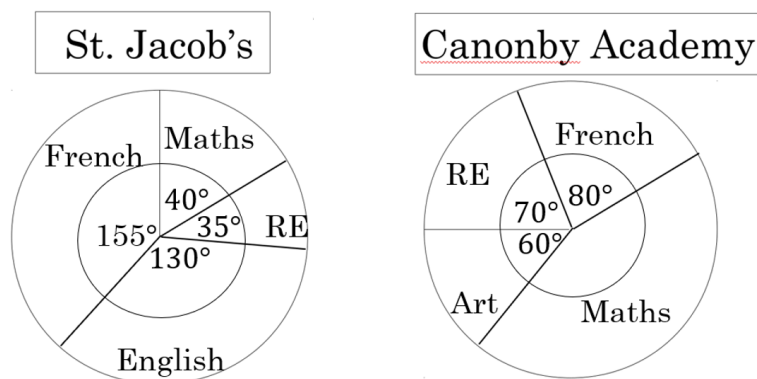a) If £2500 was raised from Investment, work out how much money was raised from Private and Sales.

Answer:_____

(2 marks)

b) What angle should be used to represent the Off-shore section?

Answer:_____

(2 marks)

Q8. Pupils at two different schools were asked what their favourite subject is. The results are below:

St. Jacob's

French — Maths 40° — 155° — 35° — RE — 130° — English

Canonby Academy

RE — French — 70° — 80° — 60° — Art — Maths

a) To 1 decimal place, what percent is maths more popular than at St. Jacob's?

Answer:_____
(3 marks)

b) John claims French is less popular at Canonby school. Do you agree? You must explain your choice.

Answer:_____
(1 mark)